

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

12/15/2011

Kathleen Celio
Assistant District Attorney, Suffolk County

Dear ADA Celio,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Peter Piro.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Peter Piro analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".
Annie Dookhan
Chemist
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6622

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.
- *Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- *Oversee the Quality Control/Quality Assurance program for the Drug Lab.
- *Maintenance and repairs of all analytical instruments.
- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- *Qualified as an expert witness in Massachusetts Courts and U.S. District Court.
- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- *Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- *Notary Public.

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department for the Food and Drug Administration.
- *Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs).
- *Trained and supervised new chemists and interns for the department.
- *Routine QC testing of products for the FDA.
- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- *Complete testing of chemicals for Vendor Validation Project for the FDA.
- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)
GLP/GMP training with Massachusetts Biologic Laboratory.
QC/QA training according to FDA Codes and Regulations.
GC and GC/MS trainings with Agilent Technologies and Restek.
HPLC and LC/MS/MS trainings with Waters Cooperation.
FTIR training with Spectros.
TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)
Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Peter Piro

EDUCATION

Boston University

B.A. in Chemistry and Minor in Biology, 1989

HONORS

Magna Cum Laude, 3.6 GPA

Graduated with Distinction in Chemistry

Valedictorian of the Chemistry Department

EXPERIENCE

Department of Public Health/State Laboratory Institute

Chemist III, II, I/ Assistant Analyst December 1991-Present

Supervise the operation and maintenance of the Gas Chromatography/Mass Spectrometry Laboratory. Analyze controlled substances for State and Federal law enforcement agencies. Qualified as an expert witness in Massachusetts courts and U.S. District Court.

Massachusetts Health Research Institute

Laboratory Technician September 1990-December 1991

Researched the seasonal and special occurrences of DSP and PSP in shellfish samples harvested from coastal waters and Georges Bank.

TRAINING AND ORGANIZATIONS

* Completed a six-week training course by senior staff within the Department of Public Health Drug Analysis laboratory.

* Appointed Assistant Analyst by the Assistant Commissioner of Public Health in February 1991.

* Elected as a Regular Member to the Northeastern Association of Forensic Chemists on October 27th 1995.

* Completed training in Mass Spectrometry given by the Food and Drug Administration/Forensic Chemistry Center on November 2002.

* Completed training in Mass Spectrometry Troubleshooting and Maintenance, October 25th 2002, at Agilent Technologies.

* Notary Public since 1993.

**DRUG RECEIPT**CC # XXXXXXXXXXBOOK # 73PAGE # 134

DESTRUCTION # _____

District/Unit

B-3/CKOIAName & Rank of Arresting Officer P.O. O'BRIEN/P.O. MONAHAN ID# 55390/102349

DEFENDANT'S NAME	ADDRESS	CITY	STATE
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XXXXXXXXXX	<u>BLAWNER</u>	<u>MA</u>
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XXXXXXXXXX	<u>BOSTON</u>	<u>MA</u>
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LAB USE ONLY

DESCRIPTION OF ITEMS SUBMITTED	GROSS QUANTITY	GROSS WEIGHT	ANALYSIS NUMBER
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<u>KILO BRICKS</u>	<u>3</u>	<u>3118.0g</u>	XXXXXXXXXX
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To be completed by ECU personnel only

Sgt V. Whark11064

Name and Rank of Submitting Officer

P.O. P.B3ID# 55390

Received by

CCD

Date

4-17-11

ECU Control #

No. [REDACTED] Date Analyzed: 6-21-11
City: Boston D.C.U. Police
Officer: P.O. SYBIL WHITE

Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 43 Cont: pb

Date Rec'd: 04/07/2011 No. Analyzed:

Gross Wt: 3118.000 Net Wt: 2985.4
#Tests: 18 ASD
• 6 P. Piro

Prelim: cocaine Findings: Cocaine

DRUG POWDER ANALYSIS FORM

SAMPLE # XXXXXXXXXXAGENCY BostonANALYST AJ7No. of samples tested: 1Evidence Wt: 1PHYSICAL DESCRIPTION:Gross Wt (3): 3060.1

White chunky substance
(1-3 PBS)

Gross Wt (): Pkg. Wt: Net Wt:

MS 2045
Mettler ~~MS 2045~~ 880
Ohaus N10110 1125493269

PRELIMINARY TESTSSpot Tests

3 Cobalt Thiocyanate (+)

3 Marquis (-)

3 Froehde's (-)

3 Mecke's (-)

Microcrystalline Tests

3 Gold Chloride (-)

3 TLTA (+)

OTHER TESTS

PRELIMINARY TEST RESULTSRESULTS CocaineDATE 6-16-11GC/MS CONFIRMATORY TESTRESULTS CocaineMS
OPERATOR PJPDATE 6-21-11

Sample # [REDACTED]

samples tested: 3

#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
1	1011.7	13.5	998.2	26			
2	1010.0	16.3	993.7	27			
3	1038.3	451.8	993.5	28			
4			29				
5			30				
6			31				
7			32				
8			33				
9			34				
10			35				
11			36				
12			37				
13			38				
14			39				
15			40				
16			41				
17			42				
18			43				
19			44				
20			45				
21			46				
22			47				
23			48				
24			49				
25			50				

Calculations:

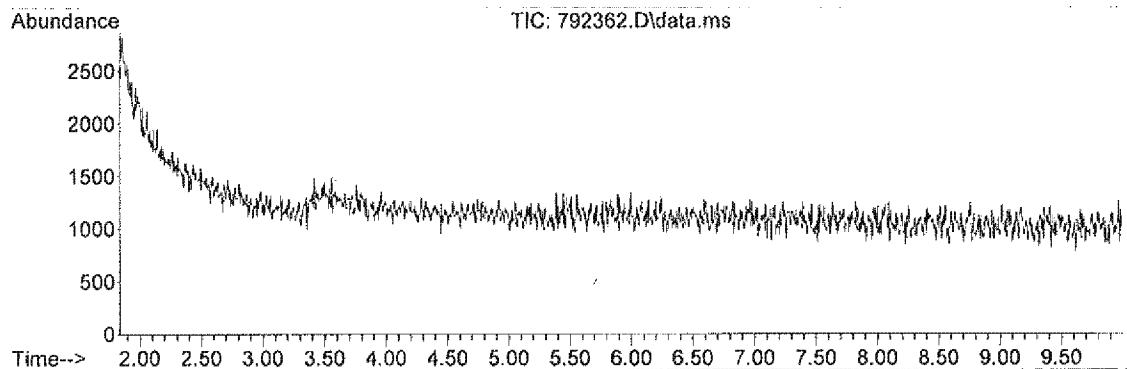
Net wt = 29.85.1

JXF OLC

✓ PPR
12-14-11

Information from Data File:

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Operator : NEM
Date Acquired : 18 Jun 2011 5:59
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

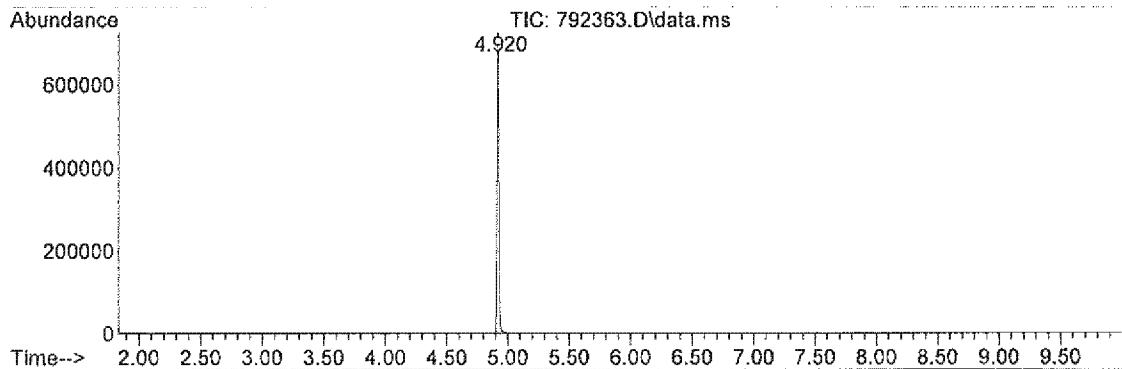


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

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Operator : NEM
Date Acquired : 18 Jun 2011 6:12
Sample Name : COCAINE STD
Submitted by :
Vial Number : 63
AcquisitionMeth: DRUGS.M
Integrator : RTE



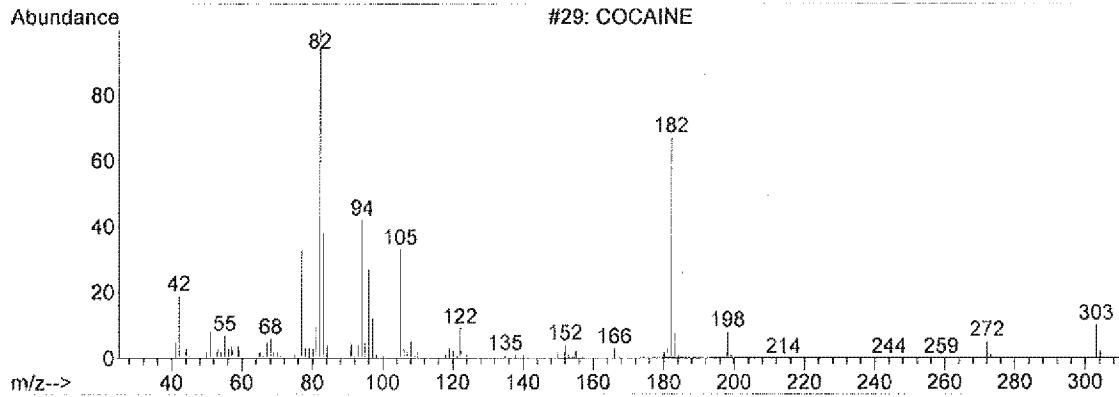
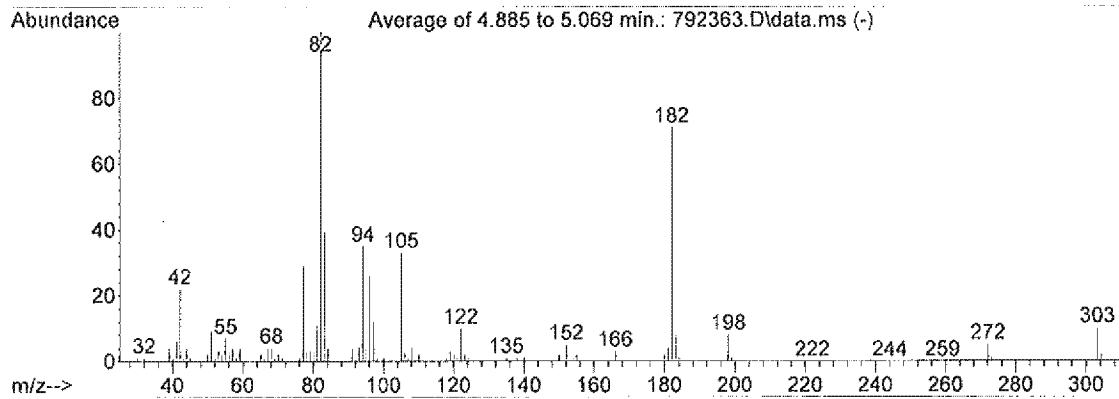
Ret. Time	Area	Area %	Ratio %
4.920	671167	100.00	100.00

Information from Data File:

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Operator : NEM
Date Acquired : 18 Jun 2011 6:12
Sample Name : COCAINE STD
Submitted by :
Vial Number : 63
AcquisitionMeth: DRUGS.M
Integrator : RTE

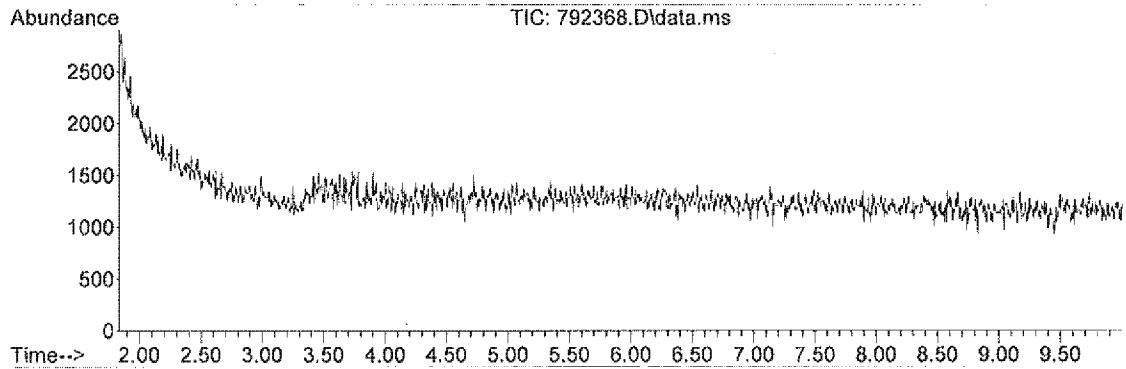
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C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.92	C:\Database\SLI.L COCAINE	000050-36-2	99



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File Name : C:\msdchem\1\data\SYSTEM6\06_17_11\792368.D
Operator : NEM
Date Acquired : 18 Jun 2011 7:16
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

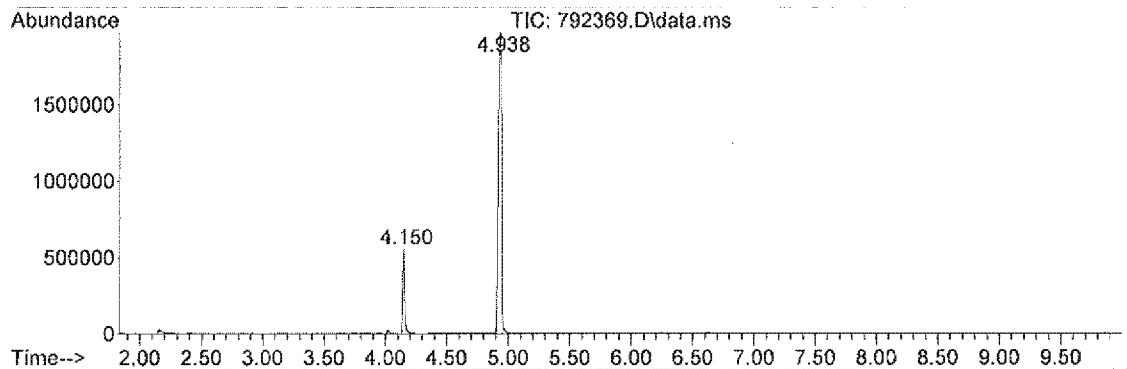


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

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Operator : NEM
Date Acquired : 18 Jun 2011 7:29
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 69
AcquisitionMeth: DRUGS.M
Integrator : RTE



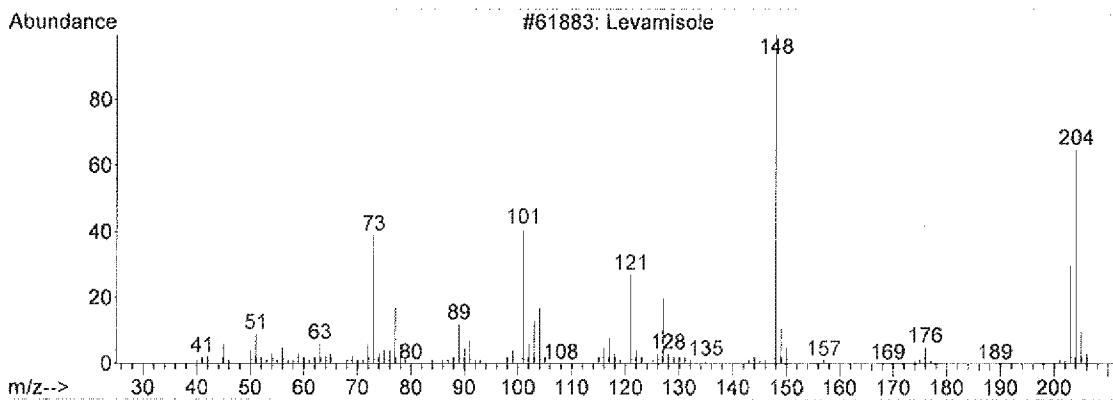
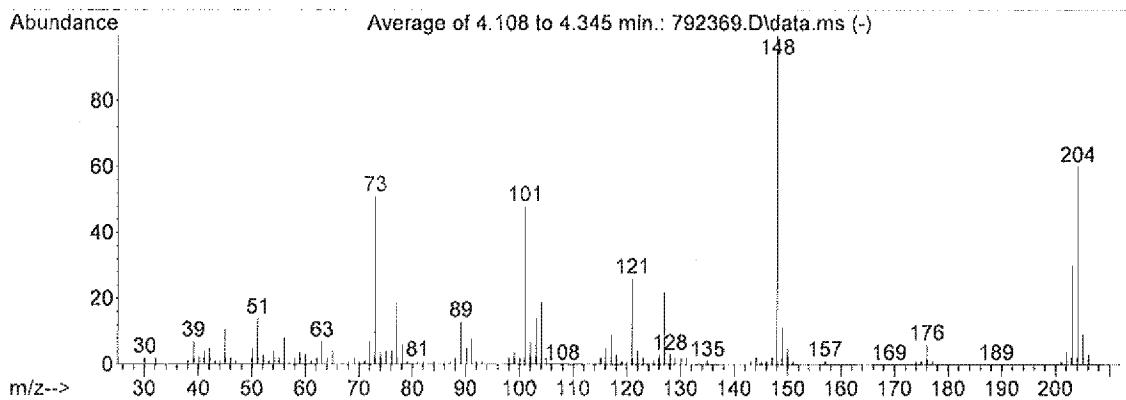
Ret. Time	Area	Area %	Ratio %
4.150	610558	14.50	16.95
4.938	3601347	85.50	100.00

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\06_17_11\792369.D
Operator : NEM
Date Acquired : 18 Jun 2011 7:29
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 69
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.15	C:\Database\NIST08.L		
		Levamisole	006649-23-6	99
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	99
		Levamisole	006649-23-6	98

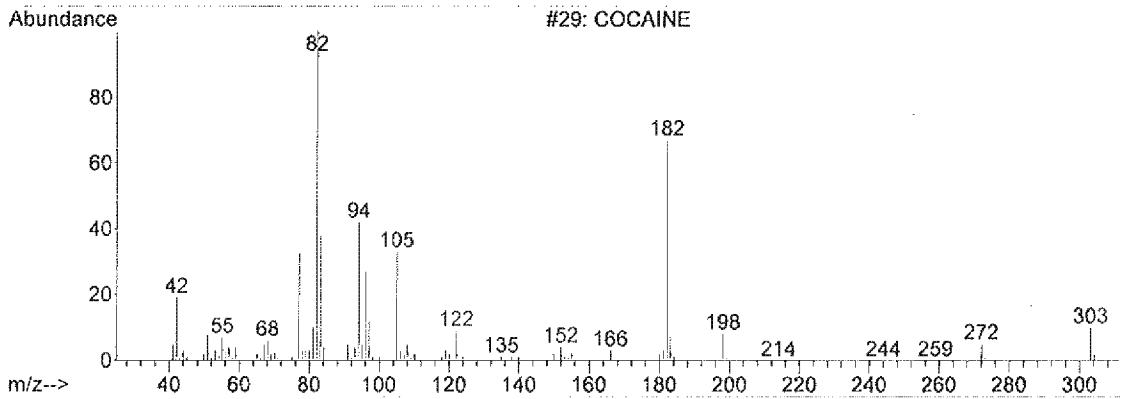
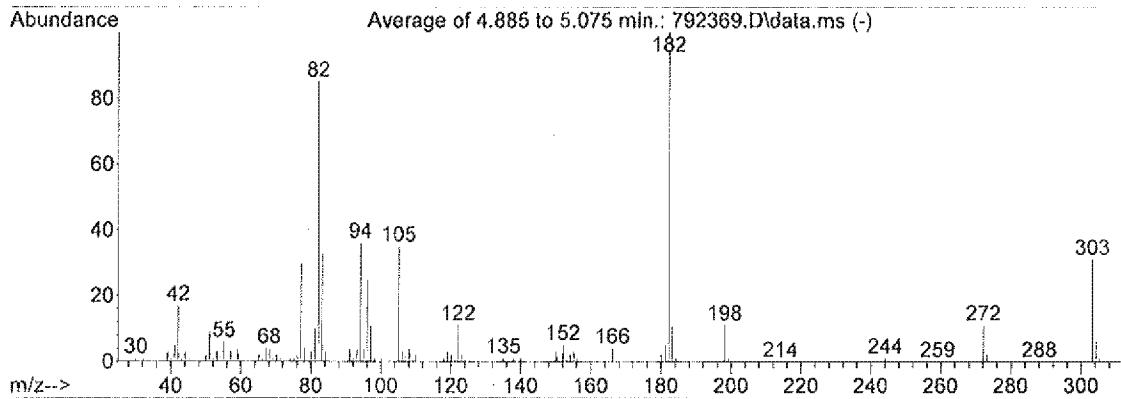


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Operator : NEM
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Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 69
AcquisitionMeth: DRUGS.M
Integrator : RTE

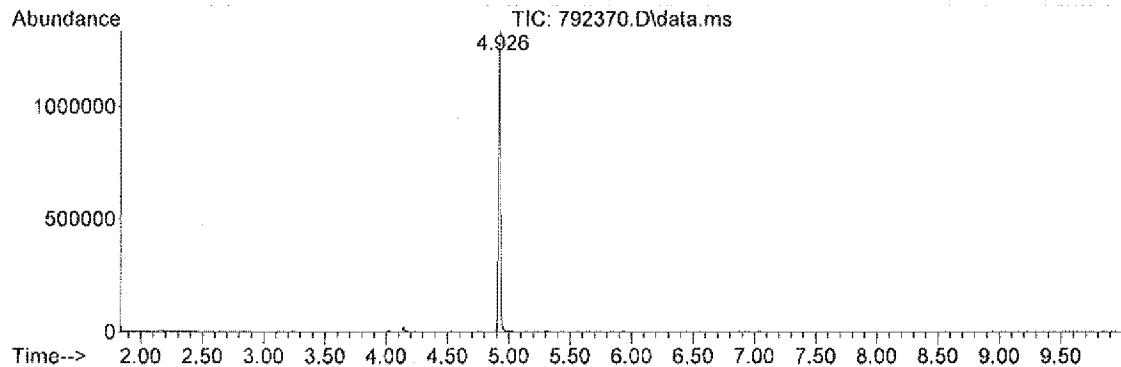
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	4.94	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\06_17_11\792370.D
Operator : NEM
Date Acquired : 18 Jun 2011 7:42
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 70
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.926	1530723	100.00	100.00

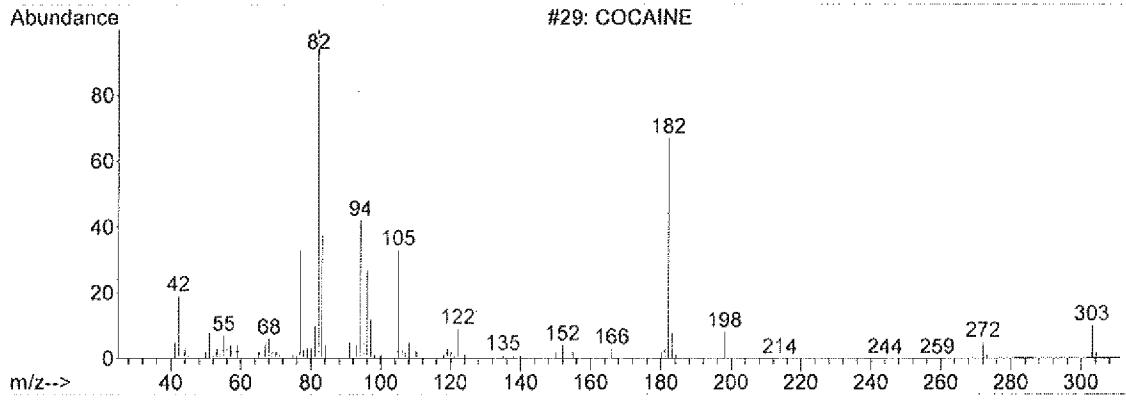
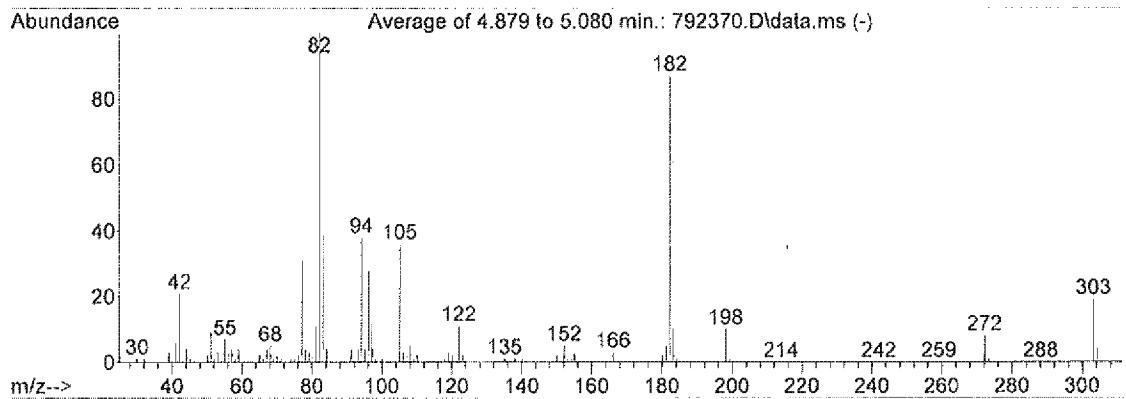
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\06_17_11\792370.D
Operator : NEM
Date Acquired : 18 Jun 2011 7:42
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 70
AcquisitionMeth: DRUGS.M
Integrator : RTE

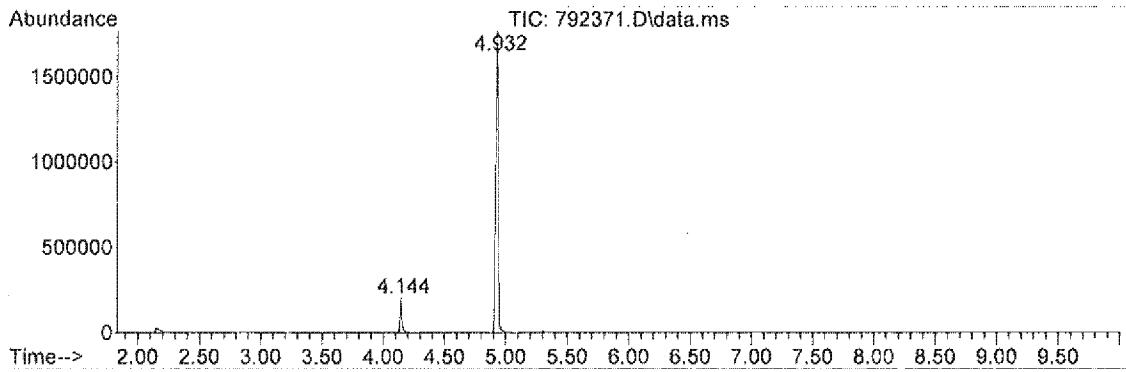
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.93	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\06_17_11\792371.D
Operator : NEM
Date Acquired : 18 Jun 2011 7:54
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 71
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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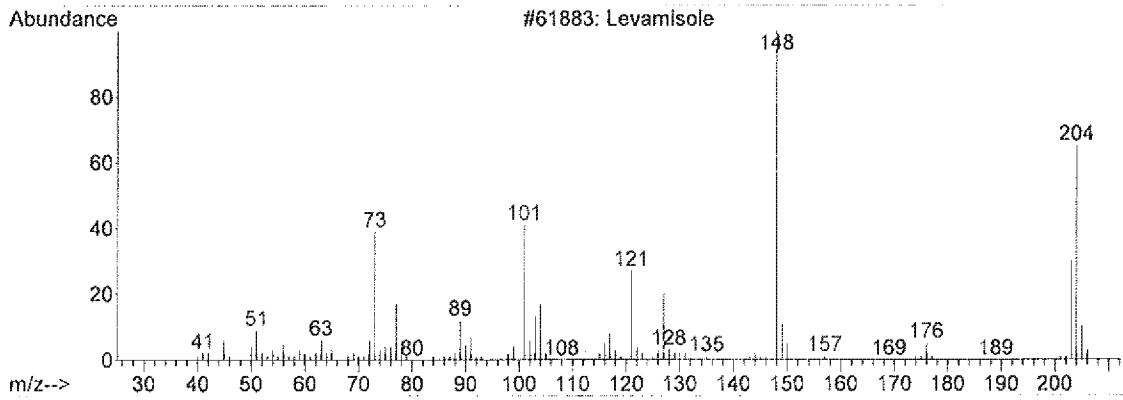
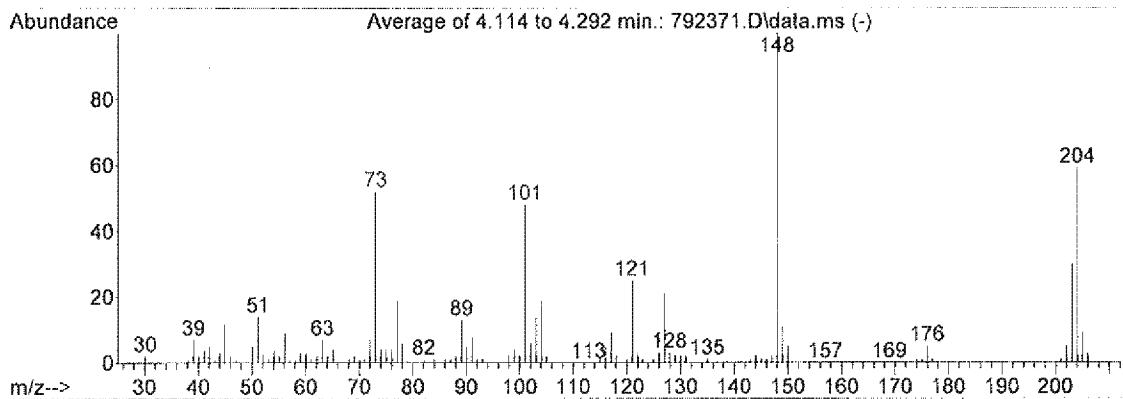
4.144	212434	7.92	8.60
4.932	2471107	92.08	100.00

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\06_17_11\792371.D
 Operator : NEM
 Date Acquired : 18 Jun 2011 7:54
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 71
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.14	C:\Database\NIST08.L		
		Levamisole	006649-23-6	99
		Levamisole	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	98



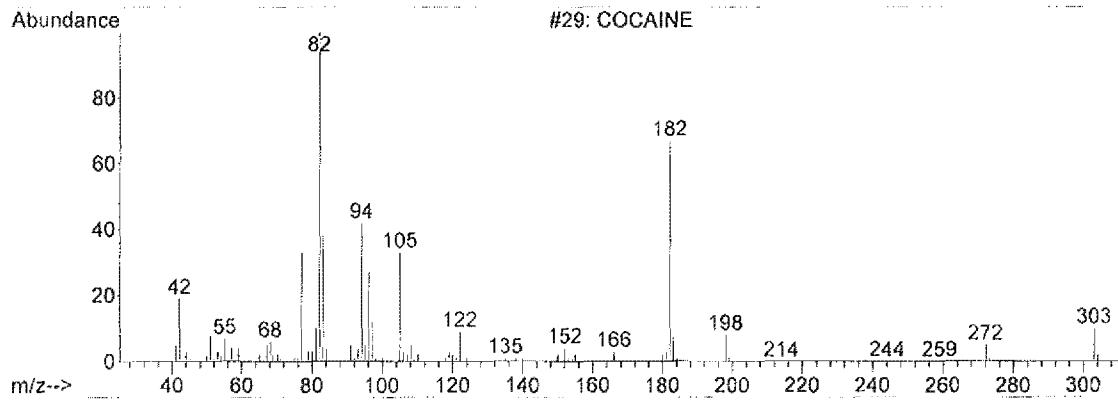
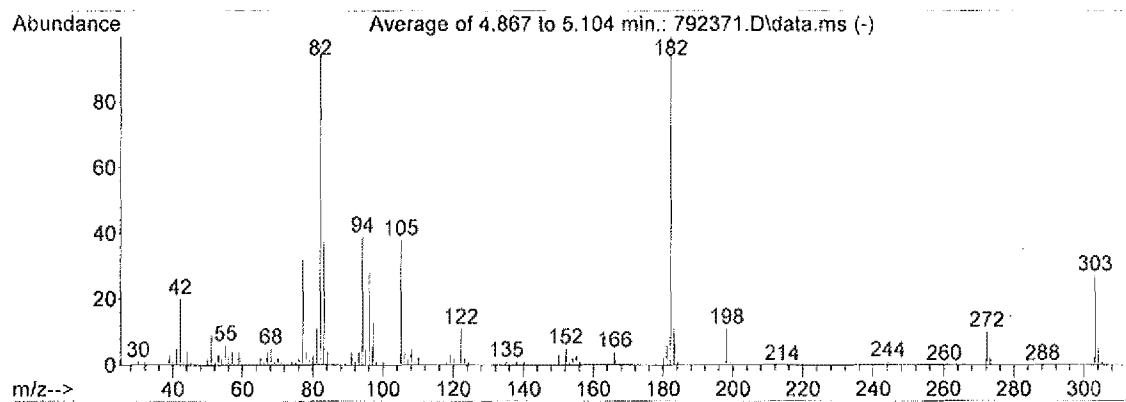
Area Percent / Library Search Report

Information from Data File:

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Date Acquired : 18 Jun 2011 7:54
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 71
AcquisitionMeth: DRUGS.M
Integrator : RTE

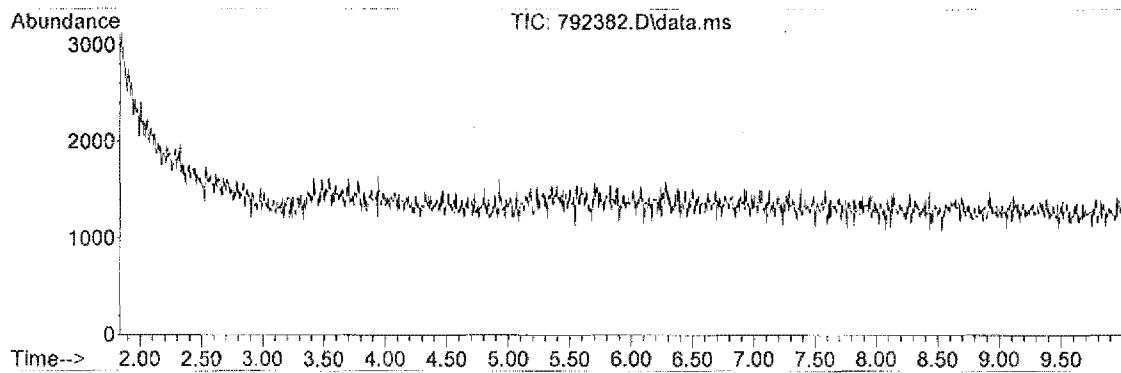
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	4.93	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\06_17_11\792382.D
Operator : NEM
Date Acquired : 18 Jun 2011 10:16
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

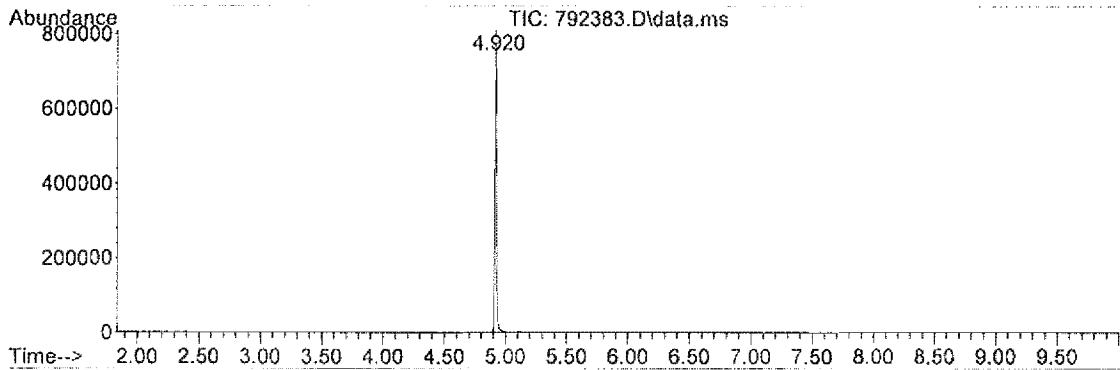


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\06_17_11\792383.D
Operator : NEM
Date Acquired : 18 Jun 2011 10:28
Sample Name : COCAINE STD
Submitted by :
Vial Number : 63
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.920	788369	100.00	100.00

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\06_17_11\792383.D
Operator : NEM
Date Acquired : 18 Jun 2011 10:28
Sample Name : COCAINE STD
Submitted by :
Vial Number : 63
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.92	C:\Database\SLI.L COCAINE	000050-36-2	99

